

AHD-SLP

Searchlight Operation Panel



- ***Operates all searchlight functions***
- ***Up to 4 panels linkable***
- ***Uniform design of yacht devices***
- ***Suitable for all common searchlight types***

Introduction

Searchlights are intended to light waterways and shores. Additionally, they simplify manoeuvres in or close to the harbour at night and support search and rescue.

The proven design of Böning yacht products also applies to the searchlight operation panel AHD-SLP. The uniform design of operation panels creates a harmonic appearance of the console on the bridge or flybridge.

Operation

By pressing the 'Searchlight' button the searchlight is constantly switched on or off. When it is switched off, the 'Signal' button activates the searchlight as long as the button is pressed. The direction and elevation of the searchlight is controlled by four direction buttons with slow or fast speed. The speed is selected by pressing the 'Speed' button. When two opposite direction buttons are pressed simultaneously, the movement is stopped. By means of pressing e.g. 'up' and 'right' at the same time, the searchlight can additionally be panned diagonally. The 'Speed' LEDs indicate the speed for both horizontal and vertical searchlight movement.

- The LED is illuminated constantly when the searchlight is switched on.
- When the searchlight is switched off and any arrow button or the 'Speed' button is pressed, the LED flashes. After releasing the buttons the LED continues flashing for approx. 5 seconds.
- When a signal is generated, the LED is illuminated as long as the button is pressed.

Technical characteristics

The operation panel AHD-SLP is used for controlling the searchlight (e.g. type Sanshin HR1012-24 V, AHD-SLP Art.-No. 10691, or Guest Model 503-2, AHD-SLP 24V Art.-No. 14769, other searchlight types upon request). The basic functionalities are searchlight adjustment and switching the lamps on and off. The searchlight can conveniently be controlled from different places onboard (e.g. bridge and flybridge) due to the ability to link up a maximum of four AHD-SLP panels. The operation panel features backlit pushbuttons to control the searchlight.

The operation panel and searchlight are supplied with 24 VDC. The lamp and motors for vertical and horizontal adjustment are fed by a single power source. The device is protected against damage by incorrect wiring. The panel has to be protected by a 10 A fuse.

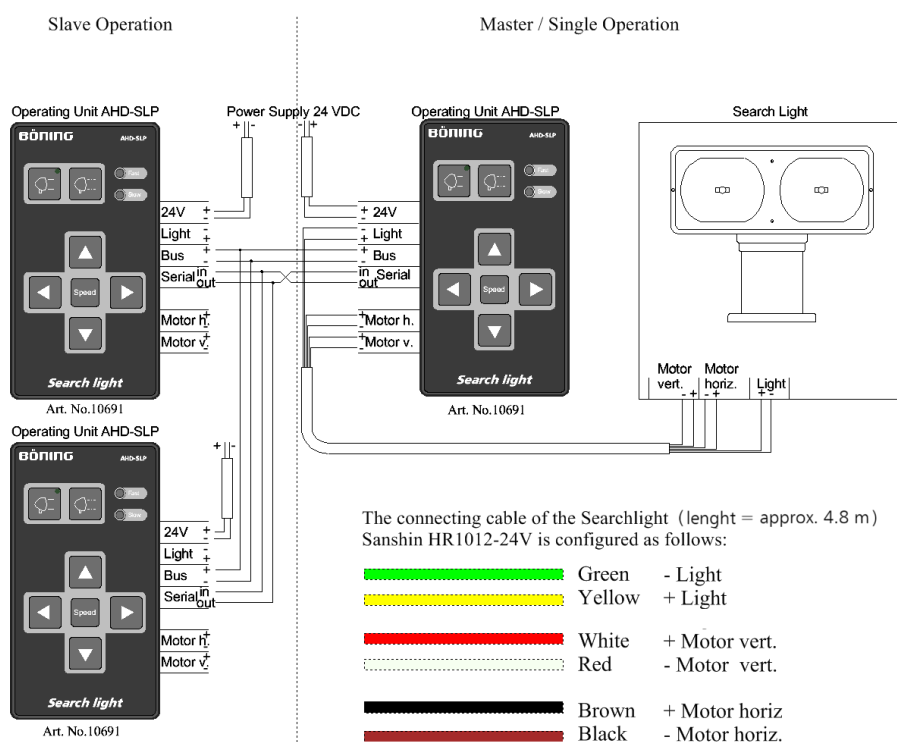
The searchlight lamps are supplied with 24 VDC, while the DC motors for horizontal and vertical movement are supplied with a maximum of 12 VDC (Sanshin HR 1012) and 24 V (Guest Model 503-2), respectively. If the maximum output current of 1 A to 1.5 A is exceeded by the DC motors, the outputs are interrupted. This might occur if the motors are damaged or searchlight rotation is impeded. The error detection capabilities of the control outputs prevent the operation panel as well as the searchlight from damage due to overload.

The panel is intended for flush-mounting and is equipped with a plug-in 12-pin terminal block for connection of:

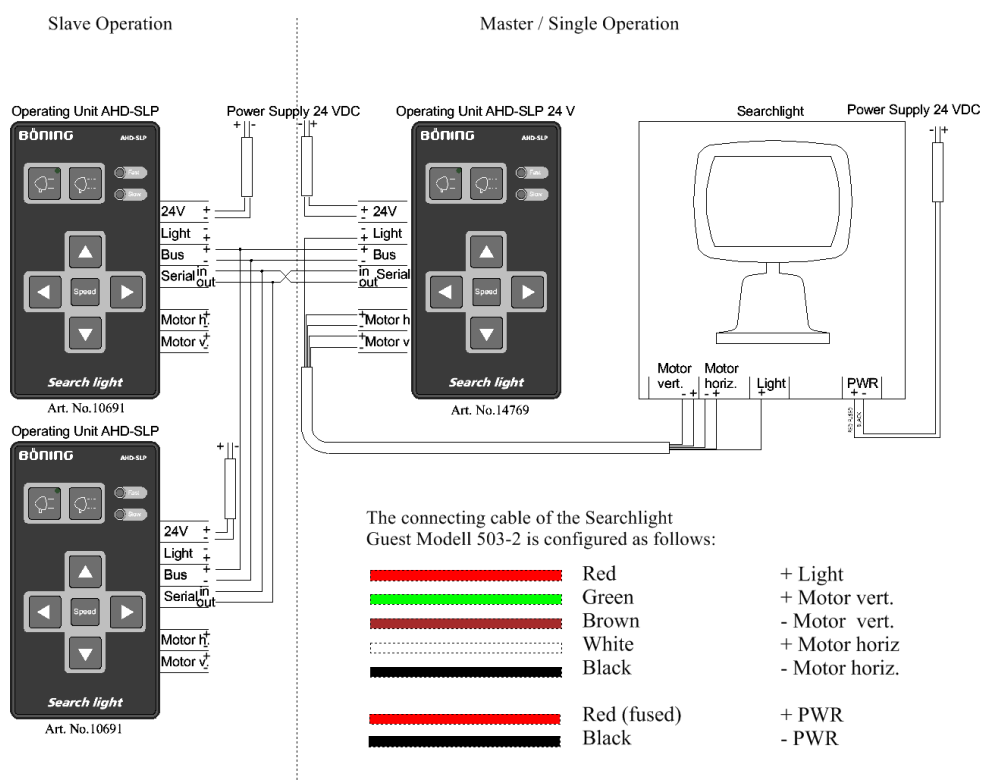
- Power supply (2 wires)
 - Additional panels for networking (4 wires)
 - Searchlight with built-in motors (6 wires)
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Connection diagram

Searchlight "Sanshin HR1012 "

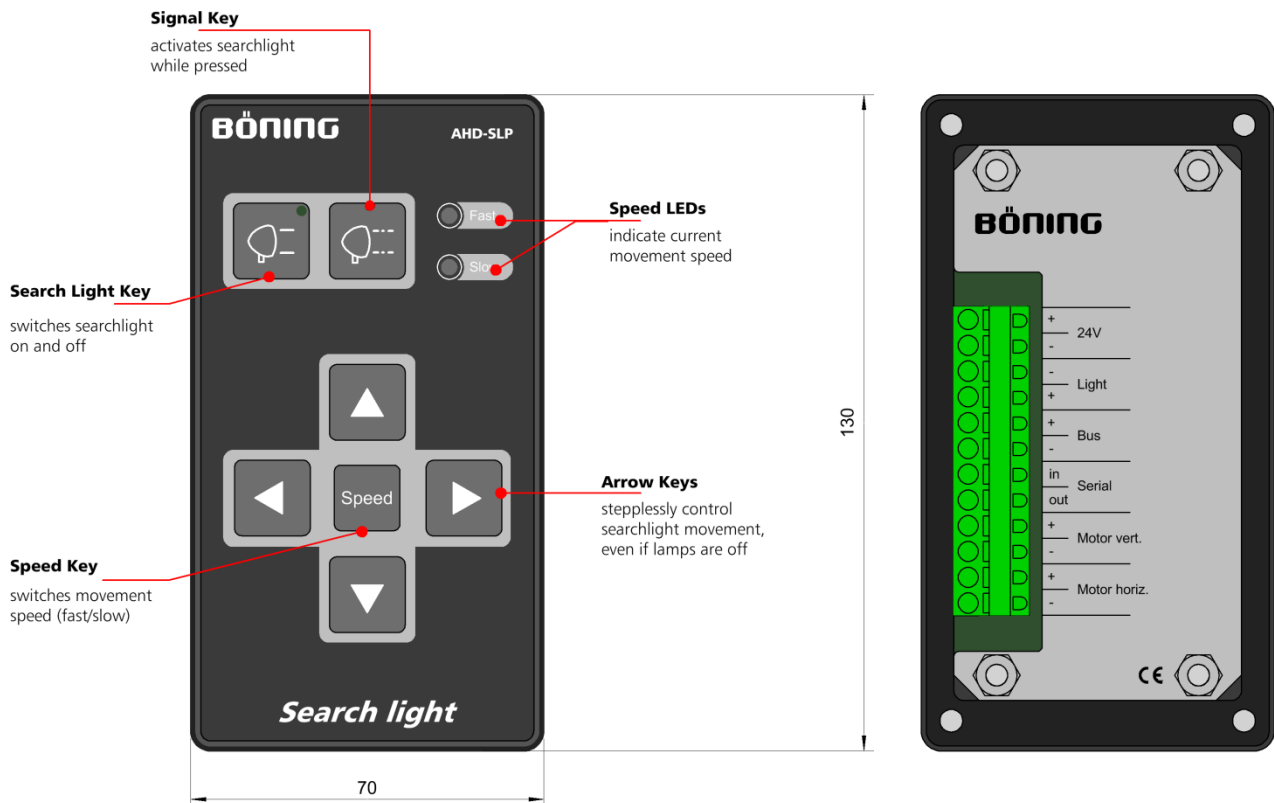


Searchlight "Guest Modell 503-2"



Note:
The "-" poles of the AHD-SLP and the searchlight must be connected to the same potential.

Dimensions, operating buttons, technical data



Pushbutton illumination

All pushbuttons are illuminated when power supply is connected.

Searchlight Operation Panel AHD-SLP / AHD-SLP 24 V (for 24 V motors)

Power supply	24 VDC (+30% / -25%)
Quiescent current	30mA
Ambient temperature	-10 °C...70 °C
Storage temperature	-30 °C...85 °C
Weight	approx. 0.15 kg
Protection class	front IP 67, rear IP 20
Dimensions	70 mm x 130 mm x 66 mm
Art.-No. AHD-SLP	10691
Art.-No. AHD-SLP 24 V	14769

Sanshin HR1012-24V searchlight including connection cable (4.8 m)

Power supply	24 VDC (+30% / -25%)
Power consumption	5 A
Weight	ca. 3.25 kg
Protection class	IP 56
Dimensions	230 mm x 200 mm x 210 mm
Art.-No.	10756

Guest Model 503-2 searchlight

Power supply	24 VDC (+30% / -25%)
Power consumption	5 A
Weight	ca. 1.7 kg
Protection class	IP 56
Dimensions	263 mm x 187 mm x 235 mm
Art.-No.	On request